Docket No.: 51876P584

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

HAENG-SOOK RO, ET AL.

Application No.:

Filed:

For: Microstrip Patch Antenna Having Hign

Gain and Wideband

Art Group:

Examiner:

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted concurrently with the Utility Application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s). Copies of the references cited on PTO/SB/08 are enclosed herewith.

-1- 51876P584

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

William Thomas Babbitt, Reg. No. 39,591

12400 Wilshire Boulevard, 7th Floor

Los Angeles, CA 90025 Telephone: (310) 207-3800

Date: 12/30/03

Substitute for form 1449A/PTO				Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number		
				Filing Date		
				First Named Inventor	Haeng-Sook Ro	
				Art Unit		
(200 do many oncolo do necessary)				Examiner Name		
Sheet	1	of	2	Attorney Docket Number	51876P584	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number  Number - Kind Code² (if known)	Publication Date Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US-4,835,538	05-30-1989	McKenna et al.		
		US-5,153,600	10-06-1992	Metzler et al.		
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-	-			
		US-				
		US-				
		US-				
		US-				

Foreign Patent Document				
e Toroign Faterit Document			Pages Columns Lines	
Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵
				${\mathsf L}$
			<u> </u>	-
				L
				_
		J		
	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)  MM-UU-YYYY	Country Code* - Number* - Kind Code* (if known)	

Examiner	Date	
Signature	Considered	

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.

Substitute for form 1449A/PTO				Complete if Known		
INITO	DRAATION		SUDE	Application Number		
INFO	RMATION	DISCEO	SURE	Filing Date		
STATEMENT BY APPLICANT				First Named Inventor	Haeng-Sook Ro	
(use as many sheets as necessary)				Art Unit		
				Examiner Name		
Sheet	2	of	2	Attorney Docket Number	51876P584	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Lee, R.Q., et al., "Characteristics of a Two-Layer Electromagnetically Coupled Rectangular Patch Antenna," Electronics Letters, Vol. 23, No. 20, pp. 180-181.	
		Revankar, et al., "Broadband Stacked Three-Layer Circular Microstrip Antenna Arrays," Electronics Letters, Vol. 28, No. 21, October 1992, pp. 1995-1997.	
		Egashira, et al., "Stacked Microstrip Antenna with Wide Bandwidth and High Gain," IEEE Transactions on Antennas and Propagation, Vol. 44, No. 11, November 1996, pp. 1533-1534.	
		Nishiyama, et al., "Stacked Circular Polarized Microstrip Antenna with Wide Band and High Gain," IEEE Antennas and Propagation Society International Symposium 1992 Digest, No. 4, pp. 1923-1926.	

Examiner	Da	te
Signature	Co	nsidered

<sup>\*</sup>Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.